

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An electronic apparatus which operates by electric power supplied from a cell unit that produces electricity by chemical reaction, ~~and to which the cell unit is detachably connected~~, comprising:

a connecting portion to which the cell unit is directly connectable;

a switching unit which switches an operation mode between a first operation mode that makes an operation with a first power consumption amount, and a second operation mode that makes an operation with a second power consumption amount lower than the first power consumption amount;

a notification unit configured to send a message indicating that the operation mode is switched to the cell unit through the connecting portion; and

a control unit configured to switch the operation mode on the basis of a message sent back from the cell unit through the connecting portion in response to the message of the notification unit.

2. (Original) The electronic apparatus according to claim 1, wherein the notification unit notifies of switching of the operation mode to the cell unit, upon switching from the second operation mode to the first operation mode.

3. (Original) The electronic apparatus according to claim 2, wherein the control unit aborts switching to the first operation mode, when a received message indicates that a power supply amount from the cell unit is short upon switching to the first operation mode.

4. (Currently amended) A cell unit which supplies an electronic apparatus with electric power, the electronic apparatus having a plurality of operation modes having different power consumption amounts, comprising:

a fuel cell which produces electricity by chemical reaction;

a rechargeable secondary battery;

a reception unit configured to receive a message which indicates switching of the operation modes from the electronic apparatus; and

a response unit configured to send a first message to the electronic apparatus when a power consumption amount upon operating the electronic apparatus in the operation mode after switching is lower than an electric power that is supplied from the fuel cell, and to send a second message to the electronic apparatus indicating that when a power consumption amount upon operating the electronic apparatus in the operation mode after switching exceeds an electric power that is supplied from the fuel cell, but the power consumption amount is lower than an electric power that is supplied from both the fuel cell and the secondary battery, ~~when the power consumption amount exceeds a electric power that is supplied from the fuel cell, but the power consumption amount is lower than an electric power that is supplied from both the fuel cell and the secondary battery.~~

5.-6. (Cancelled)

7. (Previously presented): The cell unit according to claim 4, further comprising:
a power control unit configured to control the fuel cell to lower the output electric power, when the output electric power of the fuel cell is larger than the power consumption amount by a value beyond a predetermined value.

8. (Previously presented): The cell unit according to claim 4, further comprising:
a power control unit configured to control the fuel cell to raise the output electric power, when the power consumption amount is larger than the output electric power of the fuel cell, wherein
the response unit sends a message indicating that the output electric power of the fuel cell has been changed to the electronic apparatus, when the output electric power of the fuel cell has reached the power consumption amount under the control of the power control unit.

9. (Currently amended): The cell unit according to claim 4, wherein the response unit sends a third message that inhibits switching of the operation mode, when the power consumption amount upon operating the electronic apparatus in the operation mode after switching exceeds an electric power that is supplied from both the fuel cell and the secondary battery is larger than rated electric power guaranteed by the fuel cell.

10. (Cancelled)

11. (Currently amended): The cell unit according to claim 4, ~~wherein the cell unit further comprises~~ comprising:

a power control unit configured to charge the secondary battery by electric power as a difference between the output electric power of the fuel cell and the power consumption amount, when the output electric power of the fuel cell is larger than the power consumption amount by a value beyond a predetermined value.

12. (Cancelled)